Uniden®

VS2100XR

Vehicle Security System

RF REMOTE CONTROLLED VEHICLE SECURITY SYSTEM with Rolling Code and Code Learning Technology Includes Glass-Break Sensor and Back up Battery Siren

Operating Guide

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INTRODUCTION

CONGRATULATIONS

From the moment you purchased this UNIDEN Vehicle Security System, you became a part of the UNIDEN family. You started taking advantage of over 30 years of advanced engineering. You joined a team of engineers, technicians, designers, and people like yourself who know how important protecting your vehicle is. You discovered the UNIDEN difference.

This difference is important because the UNIDEN VS2100XR is more than just an alarm. It is a complete security and convenience system. It is like having your personal security guard and butler on call in your vehicle, 24 hours a day.

But even the best security systems will not work properly without careful installation.

Therefore, the UNIDEN VS2100XR is designed for installation by your professional UNIDEN dealer. He understands both his alarms and your needs, and will work hard to ensure the UNIDEN VS2100XR does its job for you. **Welcome to the family: UNIDEN, your dealer, and you!**

IMPORTANT

This UNIDEN VS2100XR security system contains many innovative features and unique functions. Please read this Operating Guide carefully in order to understand all of this alarm's security and convenience features. Some features may require the addition of sensors or accessories not included with this alarm. For more information, please consult your professional UNIDEN dealer.

NOTICE

The information and specifications printed in this manual are current at the time of publication. However, the UNIDEN policy is one of continual development and improvement. For this reason, UNIDEN reserves the right to change specifications without notice. UNIDEN is also not responsible for misprints or typographical errors.

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PARTS CHECK LIST

The following items are included in your alarm package;

* Alarm Brain
* 2 x 3 Button, Rolling Code Remote Controls
* 2 x Warning Decals
* Dual Stage Electromagnetic Shock Sensor
* Valet Switch and Flashing LED
* 1 x Bonnet / Boot Pin Switch
* Back up battery siren with mounting screws
* Internal Piezo Siren
* Glass break microphone
* Wiring Loom with Engine Immobiliser Relay and Socket set
* Cable ties - 1 x long (for securing shock sensor)
  - 4 x short (for securing wiring)

Optional accessories are available to provide additional security and convenience.

Please refer to page 12 for more details.

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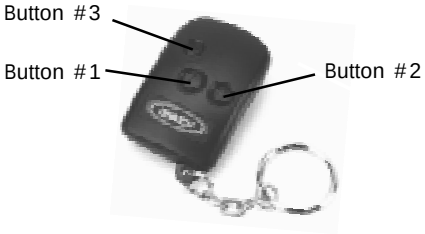
TOTAL PROTECTION

- Potential thieves or vandals will be deterred by the flashing LED and window decals.
- If the shock sensor detects light taps on the vehicle, it will trigger the pre-intrusion alert (the siren chirps 3 times and the parking lights flash 3 times) to warn potential thieves and vandals. However, if it detects a strong shock to the vehicle, it will trigger the alarm for 30 seconds. (See DUAL-STAGE SHOCK SENSOR on page 8 for more details)
- Turning the ignition key ON will trigger the alarm for 30 seconds.
- If a thief opens a door, the alarm immediately sounds the siren and flashes the parking lights for 30 seconds. If the opened door is not closed and current sensing has not been selected, the siren and lights will trigger up to three 30-second cycles, after which the alarm will re-arm.
- The engine immobiliser prevents the engine from being started with a key.
- The Automatic Engine Immobiliser will disable the engine automatically after 10 minutes, even if you forget to set the alarm.
- If the glass break detector detects the sound of breaking and falling glass, the alarm will sound the for 30 seconds.
- This sophisticated alarm uses Rolling Code Technology. 18,446,744,073,709,551,616 codes are used that change every time the remote is used, making it virtually impossible for a thief to copy and use.
- The back up battery siren is included to ensure continuous protection, even if a thief disconnects the power to your alarm !
- The internal siren fitted inside the vehicle will deter thieves due to the super loud siren sounding inside the vehicle.
- Optional UNIDEN microwave sensors and additional engine immobiliser relays will offer additional protection. For more info, please ask your UNIDEN dealer.

REMOTE CONTROL FUNCTIONS

1. Use button #1 to:
   - Arm and disarm the alarm.
   - Turn the siren ON in an emergency
   - Turn the siren OFF after activation.
   - Lock/unlock power door locks.
   - Bypass an open zone.

2. Use button #2 to:
   - Silently arm or disarm the alarm.
   - Operate a 2nd vehicle fitted with a UNIDEN compatible alarm.
   - Bypass the alarm's pre-intrusion functions.



3. Use button #3 to:
   - Control 3rd channel output to activate optional accessories such as garage door opener / house alarm interface.

ARMING

There are two different ways to arm your alarm. Tell your dealer which is best for you:

❑ **Active Arming** - (Default setting)
Means : Using the remote to arm the alarm.

1. Turn your ignition OFF and close all doors.
2. Press remote control button #1.

- If the siren chirps and indicator lights flash once, the alarm is fully armed.
- If the siren chirps and indicator lights flash 3 times, the alarm has armed, but is waiting for the vehicle's delayed interior lights to turn OFF (if your vehicle is so equipped), or it is telling you that one of the alarm's zones (door or bonnet or boot) is either open or is not functioning properly (see ZONE BYPASS, on Page 4). Also, check to make sure the interior light switch was not accidentally left on.

❑ **Passive Arming**
Means : Relying on the last door closed to arm the alarm.
Turn the ignition OFF, and open a door to exit the vehicle.
When the last door is closed and the delayed interior light turns OFF, (if your vehicle is so equipped), the siren chirps and the parking lights flash once. The LED now flashes quickly.

The alarm has now entered a 30 second arming countdown, after which the siren chirps and parking lights flash once more to confirm the alarm is completely armed.

- If you wish, you can open a door during the 30-second arming countdown, and keep it open for as long as needed. The LED turns OFF while the door is opened. When finished, once again close the last door, and the siren will chirp and indicator lights flash once to show the 30-second arming countdown has started again. The LED will also begin to flash quickly.

- If you close the last open door, and the siren does not chirp and parking lights do not flash, you know that one or more doors are not closed properly. This is a patented Quick and Quiet Testing (Q.Q.T.™) feature.

  It prevents you from thinking your alarm is armed when it may not be. In this case, double-check that all the doors, as well as the bonnet and boot, are closed properly, and that your vehicle's interior lights are OFF.

  If you cannot locate the problem, but need to arm the alarm, press button #1 to immediately arm the alarm and bypass whatever zone is open (see ZONE BYPASS, below).

NOTE — Under passive arming, you can force your alarm to arm immediately any time during the 30-second arming countdown by pressing remote control button #1.

Note — There are references to opening or closing a door throughout this manual. "Door" also includes bonnet and boot, if they are protected. Ask your dealer.

ARMED

When the 30-sec. arming countdown ends, or when remote control button #1 is pressed to arm the alarm, the siren chirps and indictor lights flash once, and the LED starts flashing to show the alarm is armed.

SENSOR BYPASS

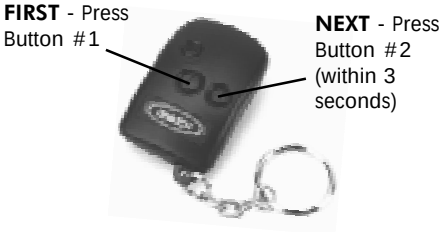
This is useful if you know, based on experience, that your shock, glass-break, or other add-on sensor will false trigger, such as when you park near a construction site or other harsh environment.

To bypass your alarm's sensors,

1.Press button #1 to arm the alarm. The siren chirps and the parking lights flash once (three times if a zone is bypassed) to confirm armed.

2.Within 3 seconds, press button #2.

The siren chirps 3 times and the parking ights flash 3 times to confirm sensors are bypassed.



The sensors are automatically restored next time the alarm is armed.

ZONE BYPASS

When you press button #1 to arm the alarm, and the alarm responds with three chirps and three light flashes, there are two possibilities:

A. Delayed interior lights — If your interior lights do not immediately turn OFF when you close your car door (in other words, your vehicle has delayed interior lights), this is normal. The alarm should protect all the openings once the interior lights go OFF.

B. A zone was bypassed — In other words, the alarm has armed, but a hardwired door is not protected (either because it is open, or because its door switch is broken). If the bypassed door is later closed, it will be restored (no siren chirp or light flash).

If your alarm indicates a bypassed zone, find the cause as soon as possible to ensure your vehicle is completely protected. For instance, if your driver's door is not properly closed when you arm your alarm, a thief may be able to open any door without setting off the alarm.

NOTE — The three zone bypass confirm chirps will not sound if chirp OFF is engaged. However, the parking lights will still flash three times. (See SILENT ARM / DISARM on page 6).

- **Multi-Point Engine Immobiliser** — This alarm can support up to 3 engine immobiliser relays. One is supplied as standard so that when fitted, and your alarm is armed, your vehicle will not start with a key. With optional extra engine immobiliser relay(s) fitted, your alarm can also disable fuel and ignition systems. Ask your Dealer for more information.
- **Automatic Engine Immobiliser** — With the engine immobiliser relay(s) fitted, the engine will be automatically disabled 10 minutes after;

  • The ignition is switched off, even if the alarm has not been turned on via the remote control.

  or

  • The alarm has been disarmed with the remote control.

With AEI engaged, The LED will stay constantly on and the engine will not start.

To dis-engage AEI ;

1. Press button #1.
2. Start the engine within 10 minutes otherwise AEI will re-engage and step 1 will need to be repeated.

AEI is programmable. The factory default setting for this feature is ON— ask your dealer if you wish to change this feature.

- **Alarm in the AEI mode** — Every time

2nd & 3rd CHANNEL OUTPUTS

Your Alarm brain has two extra channels to control optional accessories.

The **2nd channel** output is commonly used to "POP" the boot.

With the optional boot release kit fitted;
1. Press Remote Control button #2 for longer than 3 seconds
2. The alarm disarms, the boot pops open and the doors will unlock (if the optional central locking is fitted)

Notes :
- When you close the boot, you will need to press button #1 to re-arm the alarm.
- Boot release will not work if the ignition is on (Ask your Dealer for details.)

The **3rd channel** output can be used to ;

- Switch on the parking lights (vehicle locator)
- Sound the horn without activating the alarm.

Note : To take advantage of any of the above features, additional relays and connections to the vehicle will need to be made.

SECOND CAR OPERATION

With this feature, your remote controls can operate a UNIDEN compatible alarm in another car. Operation for both cars is the same, except that the functions of button #1 and button #2 are reversed in the second car. (Optional — ask your dealer.)

POWER DOOR LOCKS

Your alarm can automatically lock the doors when armed, and unlock the doors when disarmed. (Optional central locking accessories may be required)

- ❑ **Alarm Set For Passive Arming** - The doors lock 30 seconds after the last door is closed. (Be careful not to leave the keys and remote controls in the vehicle, though!).
- ❑ **Alarm Set For Active Arming** - The doors lock and unlock any time remote control button #1 is pressed. For extra security, they also lock automatically if the alarm is triggered. (Exception — See EMERGENCY CALL FOR HELP, page 7.)

IGNITION CONTROLLED DOOR LOCK

Your alarm can automatically lock the doors when you turn the ignition ON and unlock when you turn the ignition OFF. This is considered a very important feature in areas where 'car jacking' is a common occurrence.
This is a Programmable Feature. The Factory default setting is OFF — please ask your dealer if you wish to use this feature.

INTERIOR LIGHT SUPERVISION

When you disarm the alarm, your car's interior lights can turn on for 30 seconds to help you find your car at night and make sure no one is hiding inside. This is optional and requires an additional relay.

TAMPER INDICATOR

If your alarm was triggered when you were away, the siren will chirp four times and the indicator lights flash four times when you disarm your alarm.

This memory is automatically cancelled when you turn the ignition switch ON.

TRIGGERED ZONE INDICATION

If your alarm was triggered when you were away, the LED will flash for 30 seconds after you disarm the vehicle. The number of flashes can be used to determine the activated zone. Please refer to Appendix 3 - page 11 for more details on this feature.

This memory is automatically reset when you turn the ignition switch ON.

Appendix 1 — PROGRAMMABLE FEATURES

Programmable features allow you to customise your alarm.
The alarm comes with factory defaults, which are the recommended settings, as shown below. Upon request, your Dealer can re-program them when the alarm is installed.

- **Chirp control**
  — Chirp ON or Chirp OFF.
  Your alarm can be programmed to permanently disable the siren's arm and disarm chirps (except pre-intrusion).
  Please refer to page 6 for more details.
  The factory default is ON.

- **Active / Passive arming**
  — In active arming, press Remote Control button #1 to arm the alarm.
  — In passive arming, the alarm arms itself when you turn the ignition OFF and close the last open door.
  Please refer to page 4 for more details.
  The factory default is ACTIVE.

- **Auto re-arm and re-lock**
  — After disarming, the alarm will ;
  - Automatically re-arm after 30 seconds
  - Automatically re-lock after 30 seconds (if connected with optional central locking)

  Note : Auto re-arm and relock will be cancelled if a door is opened within 30 seconds.
  Please refer to page 6 for more details.
  The factory default is ON.

- **Current Sensing**
  — Current Sensing ON or OFF.
  Current sensing provides a basic level of protection by sensing when the interior light comes on, or the engine is being started. In most circumstances it is recommended that current sensing be set to OFF and that door, bonnet and boot switches are used.
  The factory default is OFF.

- **Ignition-controlled door lock**
  — The doors can be set to automatically lock when the ignition is turned ON and unlock when the ignition is turned OFF.
  Please refer to page 9 for more details.
  The factory default is OFF.

- **Automatic Engine Immobiliser (AEI)**
  —With this programmable feature set to ON the engine will automatically be disabled after 10 minutes, even if you forget to arm the alarm!
  Please refer to page 8 for more details.
  The factory default is ON.

Appendix 2 — UNDERSTANDING THE SIREN CHIRPS AND LIGHT FLASHES

- **Multi-Point Engine Immobiliser** — This alarm can support up to 3 engine immobiliser relays. One is supplied as standard so that when fitted, and your alarm is armed, your vehicle will not start with a key. With optional extra engine immobiliser relay(s) fitted, your alarm can also disable fuel and ignition systems. Ask your Dealer for more information.
- **Automatic Engine Immobiliser** — With the engine immobiliser relay(s) fitted, the engine will be automatically disabled 10 minutes after;

  • The ignition is switched off, even if the alarm has not been turned on via the remote control.

  or

  • The alarm has been disarmed with the remote control.

With AEI engaged, The LED will stay constantly on and the engine will not start.

To dis-engage AEI;

1. Press button #1.
2. Start the engine within 10 minutes otherwise AEI will re-engage and step 1 will need to be repeated.

AEI is programmable. The factory default setting for this feature is ON— ask your dealer if you wish to change this feature.

- **Alarm in the AEI mode** — Every time while you turn on the IGN switch, then siren will chirp 4 times and park light will flash 4 times.

Appendix 3 - UNDERSTANDING THE LED FLASHES

A. **Arming indicator** — Flashes quickly during the 30-second re-arm or passive arming countdown.

B. **Door open indicator** — OFF when a hardwired door is opened during the 30-second re-arm or passive arming countdown.

C. **Armed indicator** — Flashes when the alarm is armed.

D. **Disarmed indicator** — OFF when the alarm is disarmed.

E. **RF reception indicator** — ON while the remote control button is pressed.

F. **Valet mode indicator** — Flashes slowly if the ignition switch is turned OFF (no flash if ignition is ON).

G. **Engine Immoblizer mode indicator**— Steady ON.

H. **Triggered zone indicator** — If the alarm has been activated, the LED will flash for 30 secs. after the alarm has been disarmed. EG...

1 flash — current sensor activation

2 flashes — ignition/panic activation

3 flashes — shock/glass break activation

4 flashes — door activation

5 flashes — bonnet/boot activation

Don't forget the ACCESSORIES!

3 Button Remote
(SEA933)
Get one for everyone who drives your car.
(2 included with this alarm)

Central Lock Interface.
(SEA169)
- Required on some vehicles. Check with your dealer for more information.

Engine Immobiliser Relay & Socket set
(SEA865)
Provides additional protection.
(1 included with this alarm)

Door Lock Motor
(SEA170)
Required for vehicles - without power door locks.

Boot Release Kit.
(SEA171)
'Pops' the boot when button #2 is pressed and held for longer than 3 seconds.

Garage Door and House Alarm Interface
(SEA910)
- Allows your remote to control your garage door opener or house alarm.

Dual-stage microwave sensor
(SEA259)
- Detects movement inside vehicle. Great for extra protection and for open-top vehicles.

Make your alarm YOUR alarm!

Your dealer has a wide variety of accessories which can increase your alarm's security and convenience. Ask for more information. And insist on **GENUINE** UNIDEN accessories!

NOTE — The accessories on this page are optional.